

HOME WELL SURVEY

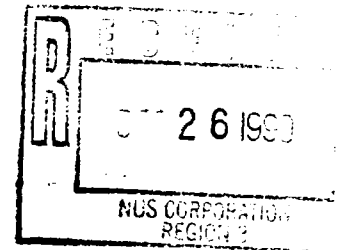
Home Owner's Name: _____

Date: 12-21-90

Address (b) (6) (b) (6) (b) (6) (b) (6) (b) (6) (b) (6) (b) (6)

Home Phone: 257-3519

Work Phone: _____



1. Please describe the type of home well you presently utilize:
(Check those which apply)

 Dug well

✓ Drilled by a rig; if so, please identify company (name, address, and phone):

Unsidler Well Drilling Inc.
536-5468

Other (describe) _____

- 1a. Please estimate the following: Year installed App. 1945
Date of last service 11/7/1977
Company who serviced (name, address, and phone): Same - above

2. Please provide the following measurements of your well:

a. Total depth: 7

b. Well diameter: 6"

3. Please describe the casing material used in your well:

a. Composition

 Iron ☒ PVC Galvanized

Terra Cotta

Other - Please

Specify (if known).

b. Length (if known): _____

HOME WELL SURVEY

Home Owner's Name: _____

Date: 12-21-90

4. Please describe, if known, any screening material used in your well:

a. Length of screen: _____

b. Depth of screen in well: _____

5. Please indicate, if known, the depth to the groundwater in your well (from the surface):

6. Please indicate the composition of home plumbing (pipes) in your system:

_____ Iron _____ PVC _____ Galvanized _____ Lead
 _____ Other (describe): _____

7. Please describe the water pump used in your system:

a. Location of the pump

_____ Inside the well (submersible pump); Depth in well: _____

☒ Outside the well (indicate location): Basement

b. Type of pump

Branch (if known): Jet (myers)

Capacity (gallons per minute): _____

c. Estimate hours of pump operation per day: 1/2 hr.d. Is storage tank used: ☒ Yes _____ NoType (material) Iron Capacity 42 gal.

8. a. Do you regularly or have you ever added chemicals directly to your well?

(i.e., chlorine, clorox, etc.) _____ Yes ☒ No

If yes, date last added: _____ Approximate amount added _____

Compound (brand name): _____

HOME WELL SURVEY

Home Owner's Name: _____

Date: 12-21-90

- b. Please describe any type of water treatment you are currently using (check those which apply):

_____ Filtration

_____ Other (explain)

Type: _____

☒ Water SoftenersIndicate Brand: Sears

9. Please indicate any testing that has been done on your water:

Date of testing: 1985Name of individual(s) responsible for testing: BUCKS Co.

10. Well Use: ☒ Drinking ☒ Other: _____

11. Do you notice color, taste, or odor problems with well water? _____ Yes ☒ No

If yes, identify: _____

Do you notice water supply problems? _____ Yes ☒ No

If yes, when: _____ how often: _____

12. Please indicate the type(s) of wastewater system used (check):

Sewer Line _____

Septic Tank ☒

Cesspool _____

Drain Field ☒Distance to Well 150 ft.

13. We may be taking water samples from many area homes in the near future. If your well is chosen for sampling, would you be willing to allow our NUS representatives to sample your well? Sampling involves collecting water from one of your indoor or outdoor spigots.

☒ Yes, I will allow my well to be sampled.

_____ No, I will not allow my well to be sampled.

HOME WELL SURVEY

Home Owner's Name: _____

Date: 12-21-90

If yes, please indicate the time of day which would be convenient for us to sample.

☒ Morning ☐ Afternoon ☐ Evening*Call 257-3519*

14. In the space below, please furnish a rough sketch of your property, indicating the location of your well and on-lot wastewater system, if applicable. Also indicate the location of the spigot you would prefer us to sample.

*Property is in West Rockhill Township
I was recently widowed - gave you all available information.*

NUS CORPORATION AND SUBSIDIARIES

TELECON NOTE

CONTROL NO:

3263-05

DATE:

4/14/92

TIME:

1545h.

DISTRIBUTION:

Inactive L.F.

BETWEEN:

Charles Andrichyn

OF:

Park Ten, Inc.

PHONE:

(215) 362-2715

AND:

Linda Carletta

DISCUSSION:

I asked Mr. Andrichyn about the following:

① On-site building? → Mr. A. said the remaining portions of the bldg. foundation were torn down & left on the property about 20 yrs. ago.

② Wetlands on site? → SMC Martin surveyed the wetlands inside in 1988-1989 & made wetlands map. Mr. A. said there are about 2 acres of wetlands on site.

③ [REDACTED] use of property? → [REDACTED] used on-site red brick garage in early 80s for 5-6 yrs. Church has rented the garage for about 3-4 years. [REDACTED]

ACTION ITEMS:

Leased it for 5-6 yrs. before that.

I told Mr. A. that final report should be generated at earliest in June.

Linda J. Carletta 4/14/92



HALLIBURTON NUS
Environmental Corporation

999 WEST VALLEY ROAD
WAYNE, PENNSYLVANIA 19087
(215) 971-0900

SAMPLE RECEIPT

ORIGINAL
(Red)

On Dec. 05, 1991, HALLIBURTON NUS Environmental Corporation
representative Paul Davis received permission from [REDACTED]
to remove material(s) from his/her property in the following container(s):

4 80-ounce glass sample bottle(s)
6 40-mililiter glass sample bottle(s)
4 1-liter polyethylene sample bottle(s)
_____ 8-ounce glass sample jar(s)

_____ 4-ounce glass sample jar(s)
_____ 1-liter glass sample bottle(s)
_____ 32-ounce glass sample jar(s)
_____ 16-ounce glass sample jar(s)

Paul M. Davis
HALLIBURTON NUS Representative

12-05-91
Date

[Signature]
Property Owner/Representative

12-05-91
Date

Property Address/Location:

SBMWW Supply Well No. 5
9th Street

Phone No. () _____

For information, contact:

Freedom of Information Act
United States Environmental Protection Agency
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, Pennsylvania 19107
(215) 597-9800

EPA SIO: Lynnette Elser

EPA NO.: PA-2803



HALLIBURTON NUS

Environmental Corporation

999 WEST VALLEY ROAD
WAYNE, PENNSYLVANIA 19087
(215) 971-0900

SAMPLE RECEIPT

ORIGINAL
(Red)

On December 5, 1991 HALLIBURTON NUS Environmental Corporation
representative Donald Whalen received permission from [REDACTED]
to remove material(s) from his/her property in the following container(s):

2 80-ounce glass sample bottle(s)
3 40-mililiter glass sample bottle(s)
2 1-liter polyethylene sample bottle(s)
_____ 8-ounce glass sample jar(s)

_____ 4-ounce glass sample jar(s)
_____ 1-liter glass sample bottle(s)
_____ 32-ounce glass sample jar(s)
_____ 16-ounce glass sample jar(s)

Donald Whalen
HALLIBURTON NUS Representative

12/5/91
Date

Property Owner/Representative

Date

Property Address/Location:

[REDACTED]
N. main street
Sellersville, Pa. 18960

Phone No. (215) 723-7671

For information, contact:

Freedom of Information Act
United States Environmental Protection Agency
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, Pennsylvania 19107
(215) 597-9800

EPA SIO: Lynette Elser

EPA NO.: PA-2803

HW-2



HALLIBURTON NUS

Environmental Corporation

999 WEST VALLEY ROAD
WAYNE, PENNSYLVANIA 19087
(215) 971-0900

SAMPLE RECEIPT

ORIGINAL
(Red)

On December 5, HALLIBURTON NUS Environmental Corporation
representative Donald Whalen received permission from [REDACTED]
to remove material(s) from his/her property in the following container(s):

2 80-ounce glass sample bottle(s)
3 40-mililiter glass sample bottle(s)
2 1-liter polyethylene sample bottle(s)
_____ 8-ounce glass sample jar(s)

_____ 4-ounce glass sample jar(s)
_____ 1-liter glass sample bottle(s)
_____ 32-ounce glass sample jar(s)
_____ 16-ounce glass sample jar(s)

Donald Whalen
HALLIBURTON NUS Representative

12/5/91
Date

Russell L. Whelan
Property Owner/Representative

12-5-91
Date

Property Address/Location:

Faith Baptist Church
N. main street
Sellersville, Pa. 18960

Phone No. (215) 257-5031

For information, contact:

Freedom of Information Act
United States Environmental Protection Agency
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, Pennsylvania 19107
(215) 597-9800

EPA SIO: Lynette Elser

EPA NO.: PA-2803

Hw-1

NUS CORPORATION AND SUBSIDIARIES

TELECON NOTE

CONTROL NO:

3263-05

DATE:

12-20-91

TIME:

1600

DISTRIBUTION:

Inactive Landfill

BETWEEN:

Charles Andrichyn

OF:

PTI

PHONE:

(215) 362-2715

AND:

PAUL DAVIS

DISCUSSION:

Purpose of call was to clarify the following:

Earl

- Kimmel, Lorah, & Associates (Kimmel) is a partner with C. Andrichyn and C. Craig (PTI.)

- PTI bought the site in 'bits & pieces' during 1968.

- PTI (partnership) intended to sell the property to a developer De Petris. De Petris intended to develop the property into a shopping center. Then, an article ran in the town newspaper about US Gauge Radium ^{waste} paint allegedly being dumped on the property during the 1940's/50's. That article sparked an investigation for the Radium

ACTION ITEMS:

In 1985, RSO was contacted to do Preliminary Assessment in 1986 and to locate the radium. RSO did eventually find the source and removed most of it. De Petris later declined on the purchase of the property.

Paul Davis 12-20-91

NUS CORPORATION AND SUBSIDIARIES

TELECON NOTE

CONTROL NO:

3263-05

DATE:

12-06-91

TIME:

1447

DISTRIBUTION:

Inactive Cndfill

BETWEEN:

Jonathan Rude

OF:

SMD

PHONE:

(703) 519-1471

AND:

PAUL DAVIS

DISCUSSION:

I called in a shipment for Region 3 to the SMD.

CASE NO. 17514 Shipment completed 12/05/91

ORGANIC

12 { 11 aqueous (includes blanks) → Full Scan (W4, BNA, Rest PCB)
 1 Trip blank (UOA's only)
 14 Solids

Shipped to: Compuchem Labs / Fed. Express

airbill NO. 3742091312

Inorganic

11 aqueous (includes blank) Full Scan ^{metals} _{cyanoide}
 14 Solids

Shipped to: IT Analytical Services, Export, Pa.

Fed. Express Airbill No. 3742091323

ACTION ITEMS:

Paul Davis 12-6-91

DATE:

FROM:

COPIES:

SUBJECT:

REFERENCE:

CASE # 17514 Shipment Complete 12/05/91

ORGANIC 12 { 11 aqueous (includes blanks) full scan
1 Trip blank (VOAS only) → (VOA, BNA, Pest/PCB)
14 solids

Shipped to: Compuchem Labs
(airbill)
Fed. Ex. NO.: 3742091312

Inorganic

11	aqueous (includes blank)	full scan
14	solids	↳ (metals/cyanide)

Shipped to: IT Analytical Services, ^{Exports,} Penna.
airbill → Fed. Ex. no. : 3742091323

Call Jonathan Rude (703) 519-1471



United States Environmental Protection Agency
Contract Laboratory Program Sample Manager
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Office

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No.
(if applicable)

Case No.

17514

1. Project Code		Account Code		2. Region No. 3		Sampling Co. HNVUS Corp.		4. Date Shipped 12/5/91		Carrier Federal Express		6. Preservative (Enter in Column D) 1. HCl 2. HNO ₃ 3. NaOH 4. H ₂ SO ₄ 5. K ₂ CR ₂ O ₇ 6. Ice only 7. Other (SAS) (Specify) N. Not preserved		7. Sample Description (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (SAS) 7. Waste (SAS) 8. Other (SAS) (Specify)											
Regional Information				Sampler (Name) PAUL M. DAVIS				Airbill Number 3742091323																	
Non-Superfund Program				Sampler Signature <i>Paul M. Davis</i>				5. Ship To IT Analytical Services 5103 Old Wm. Penn Hwy Export, Penna. 15632 ATTN: Robert Finky																	
Site Name Inactive Landfill				4. Type of Activity Lead <input type="checkbox"/> Pre-Remedial <input type="checkbox"/> RIFS <input type="checkbox"/> CLEM <input type="checkbox"/> SF <input type="checkbox"/> PA <input type="checkbox"/> RD <input type="checkbox"/> REMA <input type="checkbox"/> PRP <input type="checkbox"/> PA <input type="checkbox"/> BA <input type="checkbox"/> REM <input type="checkbox"/> ST <input type="checkbox"/> LSI <input type="checkbox"/> O&M <input type="checkbox"/> OIL <input type="checkbox"/> FED <input type="checkbox"/> LSI <input type="checkbox"/> NPLD <input type="checkbox"/> UST <input type="checkbox"/>																					
City, State Sellersville, Pa.		Site Spill ID																							
CLP Sample Numbers (from labels)		A Enter # from Box 7		B Conc. Low Med High		C Sample Type: Comp./Grab		D Preservative from Box 6		E - RAS Analysis Metals: Total Dissolved Cyanide Low Conc.: Nitrate/Nitrite Fluoride High: pH Conductivity				F Regional Specific Tracking Number or Tag Numbers		G Station Location Number		H Mo/Day/Year/Time Sample Collection		I Sampler Initials		J Corresp. CLP Org. Samp. No.		K Designated Field QC	
MCJP20		2		LOW		Grab		2,3,6		3-1160983 YMM 3-1160986 3-1160992 YMM 3-1160993 3-1160999 YMM 3-1161000 3-1167828 YMM 3-1167829 3-1167835 YMM 3-1167836 3-1167843 YMM 3-1167850 3-1134113 YMM 3-1134114 3-1134120 YMM 3-1134121 3-1134127 YMM 3-1134128				PW-1 HW-1 HW-2 SW-1 SW-2 SW-3 SW-4 SW-5 SW-6 SW-7		12/5/91 1055 12/5/91 1045 12/5/91 1133 12/5/91 1300 12/5/91 1215 12/5/91 1130 12/5/91 1045 12/5/91 1055 12/5/91 1230 12/5/91 1215		LC RC RC CM CM CM CM RC DW CM		JP21 JP22 JP23 JP24 JP25 JP26 JP27 JP28 JP29 JP30		DD QC			
Shipment for Case complete? (Y/N)		Page 1 of 3		Sample used for a spike and/or duplicate MCJP20				Additional Sampler Signatures <i>Paul M. Davis</i> <i>Robert Finky</i> <i>John Smith</i>				Chain of Custody Seal Number													

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) <i>Paul M. Davis</i>	Date / Time 12/5/91 1630	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:

Green - Region Copy Pink - SMO Copy White - Lab Copy Yellow - Lab Copy for Return to SMO

Split Samples ☐ Accepted (Signature)☒ Declined*Paul M. Davis*

1 019602

ORIGINAL

Inorganic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Metals Analysis (Low Level)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Metals Analysis (Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar
Extractable Analysis (Medium Level*)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Volatile Analysis (Low or Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar

Soil/Sediment Samples	Required Volume	Container Type
Metals and Cyanide (CN ⁻) Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR 2 X 4-oz. Wide-Mouth Glass Jars

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Metals and Cyanide* Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

1. Inorganic Sample Collection Requirements

- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Preserve low level water samples:
 - Total metals Preserve with HNO₃ to pH ≤ 2.
 - Dissolved metals Preserve with HNO₃ to pH ≤ 2. No further digestion required.
 - Cyanide Preserve with 10 NaOH to pH ≥ 12.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Ship medium and high concentration samples in paint cans.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number
Date shipped
Number of samples by concentration and matrix
Carrier and airbill number
Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program

Sample Management Office

P.O. Box 818

Alexandria, VA 22313

Phone: (703) 557-2490

(703) 684-5678

FAX: (703) 683-0378

<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> United States Environmental Protection Agency Contract Laboratory Program Sample Manager PO Box 818 Alexandria, VA 22313 703-557-2490 FTS 557-2490 </div>		Inorganic Traffic Report & Chain of Custody Record (For Inorganic CLP Analysis)				SAS No. (if applicable)		Case No. 17514							
		1. Project Code		Account Code		2. Region No. 3		Sampling Co. HNVUS Corp.		4. Date Shipped 12/5/91		Carrier Federal Express			
Regional Information				Sampler (Name) PAUL M. DAVIS				Airbill Number 3742091323				6. Preservative (Enter in Column D) 1. HCl 2. HNO3 3. NaOH 4. H2SO4 5. K2CR2O7 6. Ice only 7. Other (SAS) (Specify) N. Not preserved		7. Sample Description (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (SAS) 7. Waste (SAS) 8. Other (SAS) (Specify)	
Non-Superfund Program				Sampler Signature Paul M. Davis				5. Ship To IT Analytical Services 5103 old Wm. Penn Hwy Export, Penna. 15632 ATTN: Robert Finlay							
Site Name Inactive Landfill				4. Type of Activity				Remedial Removal Lead Pre-Remedial RIFS CLEM SF RD REMA PRP PA RA REM ST SSI O&M OIL FED LSI NPLD UST				City, State Sellersville, Pa.		Site Spill ID	
CLP Sample Numbers (from labels)		A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis				F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Designated Field QC
MCSP 70		3	Low	Grab	2,3,6					3-1134149 H2O 3-1134150	AQ. BLK	12/5/91 1330	LC	CSP 66	Aqueous Blank
MCSP 30		5	Low	Grab	6					3-1134133	SD-1	12/5/91 1305	CM	CSP 38	
MCSP 51		5	Low	Grab	6					3-1134138	SD-2	12/5/91 1225	GD	CSP 52	
MCSP 52		5	Low	Grab	6					3-1134143	SD-3	12/5/91 1135	GD	CSP 53	
MCSP 53		5	Low	Grab	6					3-1134148	SD-4	12/5/91 1045	CM	CSP 54	
MCSP 38		5	Low	Grab	6					3-1140775	SD-5	12/5/91 1315	RC	CSP 55	
MCSP 61		5	Low	Grab	6					3-1140780	SD-6	12/5/91 1235	DW	CSP 56	
MCSP 62		5	Low	Grab	6					3-1140785	SD-7	12/5/91 1230	CM	CSP 57	
MCSP 63		5	Low	Grab	6					3-1140790	S-1	12/5/91 1300	GD	CSP 58	
MCSP 64		5	Low	Grab	6					3-1140795	S-2	12/5/91 1015	RC	CSP 59	
Shipment for Case complete? (Y/N)		Page 2 of 3		Sample used for a spike and/or duplicate				Additional Sampler Signatures <i>[Signatures]</i>				Chain of Custody Seal Number			

Relinquished by: (Signature) Paul M. Davis		Date / Time 12/5/91 1630		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Received by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks		Is custody seal intact? Y/N/none	

Inorganic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

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Extractable Analysis (Medium Level*)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Volatile Analysis (Low or Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar

Soil/Sediment Samples	Required Volume	Container Type
Metals and Cyanide (CN ⁻) Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR 2 X 4-oz. Wide-Mouth Glass Jars

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Metals and Cyanide* Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

1. Inorganic Sample Collection Requirements

- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Preserve low level water samples:
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 - Dissolved metals: Preserve with HNO₃ to pH ≤ 2. No further digestion required.
 - Cyanide: Preserve with 10 NaOH to pH ≥ 12.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Ship medium and high concentration samples in paint cans.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number
Date shipped
Number of samples by concentration and matrix
Carrier and airbill number
Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
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(703) 684-5678

FAX: (703) 683-0378

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No.
(if applicable)

Case No.

17514

1. Project Code		Account Code		2. Region No. 3		Sampling Co. HNVUS Corp.		4. Date Shipped 12/6/91		Carrier Federal Express		6. Preservative (Enter in Column D)		7. Sample Description (Enter in Column A)							
Regional Information				Sampler (Name) PAUL M. DAVIS				Airbill Number 3742091323				1. HCl 2. HNO3 3. NaOH 4. H2SO4 5. K2CR2O7 6. Ice only 7. Other (SAS) (Specify) N. Not preserved		1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (SAS) 7. Waste (SAS) 8. Other (SAS) (Specify)							
Non-Superfund Program				Sampler Signature <i>Paul M. Davis</i>				5. Ship To IT Analytical Services 5103 old w.m. Penn Hwy Export, Penna. 15632 ATTN: Robert Finlay													
Site Name Inactive Landfill				4. Type of Activity																	
City, State Sellersville, Pa.		Site Spill ID		Remedial Removal Lead Pre-Remedial RIFS CLEM SF <input type="checkbox"/> PA <input type="checkbox"/> RD <input type="checkbox"/> REMA PRP <input type="checkbox"/> PA <input type="checkbox"/> RA <input type="checkbox"/> REM ST <input type="checkbox"/> SSI <input checked="" type="checkbox"/> O&M <input type="checkbox"/> OIL FED <input type="checkbox"/> LSI <input type="checkbox"/> NPLD <input type="checkbox"/> UST <input type="checkbox"/>																	
CLP Sample Numbers (from labels)		A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis				F Regional Specific Tracking Number or Tag Numbers		G Station Location Number		H Mo/Day/Year/Time Sample Collection		I Sampler Initials		J Corresp. CLP Org. Samp. No.		K Designated Field QC	
MLSP 65		5	Low	Grab	6					3-1140800		S-3		12/5/91 1330		CM		CSP 60			
MLSP 66		5	Low	Grab	6					3-1156330		S-4		12/5/91 1225		G.D.		CSP 61			
MLSP 67		5	Low	Grab	6					3-1156337		SS-1		12/5/91 0935		R.C		CSP 62		DO QC	
MLSP 68		5	Low	Grab	6					3-1156342		SS-2		12/5/91 0930		G.D		CSP 63			
MLSP 69		5	Low	Grab	6					3-1156347		SS-3		12/5/91 0940		CM		CSP 64			

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) <i>Paul W. Davis</i>	Date / Time <i>12/5/91 1630</i>	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none

Inorganic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Metals Analysis (Low Level)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Metals Analysis (Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar
Extractable Analysis (Medium Level*)	1 Liter	1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle
Volatile Analysis (Low or Medium Level*)	16 oz.	1 X 16-oz. Wide-Mouth Glass Jar

Soil/Sediment Samples	Required Volume	Container Type
Metals and Cyanide (CN ⁻) Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR 2 X 4-oz. Wide-Mouth Glass Jars

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Metals and Cyanide* Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

1. Inorganic Sample Collection Requirements

- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Preserve low level water samples:
 - Total metals Preserve with HNO₃ to pH ≤ 2.
 - Dissolved metals Preserve with HNO₃ to pH ≤ 2. No further digestion required.
 - Cyanide Preserve with 10 NaOH to pH ≥ 12.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Ship medium and high concentration samples in paint cans.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number
Date shipped
Number of samples by concentration and matrix
Carrier and airbill number
Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS
USEPA Contract Laboratory Program
Sample Management Office
P.O. Box 818
Alexandria, VA 22313
Phone: (703) 557-2490
(703) 684-5678
FAX: (703) 683-0378

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Extractable Analysis (Low Level)	1 Gallon	1 X 4-Liter Amber Glass Bottle OR 2 X 80-oz. Amber Glass Bottle OR 4 X 1-Liter Amber Glass Bottles
Extractable Analysis (Medium Level*)	1 Gallon	32-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	80 ml.	2 X 40-ml. Glass Vials



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

Soil/Sediment Samples	Required Volume	Container Type
Extractable Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR 2 X 4-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	240 ml.	2 X 120 ml. Wide-Mouth Glass Vials†

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Extractable and Volatile Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar

1. Organic Sample Collection Requirements

- Please indicate sample to spike and/or duplicate.
- Ship medium and high concentration samples in paint cans.
- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
- Additional sample volume not required for method OLC01.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number
Date shipped
Number of samples by concentration and matrix
Carrier and airbill number
Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program
Sample Management Office
P.O. Box 818
Alexandria, VA 22313
Phone: (703) 557-2490
(703) 684-5678
FAX: (703) 683-0378

10/90
SMD/RS



United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No.
(if applicable)

Case No.

17514

1. Project Code	Account Code	2. Region No. 3	Sampling Co. HNUS CORP.	4. Date Shipped 12/5/91	Carrier Federal Express	6. Preservative (Enter in Column D) 1. HCl 2. HNO ₃ 3. NaHSO ₄ 4. H ₂ SO ₄ 5. Other (SAS) (Specify) 6. Ice only N. Not preserved	7. Sample Description (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (SAS) 7. Waste (SAS) 8. Other (SAS) (Specify)
Regional Information		Sampler (Name) PAUL M. DAVIS		Airbill Number 3742091312			
Non-Superfund Program		Sampler Signature Paul M. Davis		5. Ship To ATTN: Natalie Carter Compuchem Labs 3308 Chapel Hill / Nelson Hwy PO Box 12652 Research Park, N.C. 27709			
Site Name Inactive Landfill		3. Type of Activity Remedial: <input type="checkbox"/> RIFS <input type="checkbox"/> CLEM Lead: <input type="checkbox"/> RD <input type="checkbox"/> REMA Pre-Remedial: <input type="checkbox"/> PA <input type="checkbox"/> BA <input type="checkbox"/> REM PRP: <input type="checkbox"/> ST <input checked="" type="checkbox"/> O&M <input type="checkbox"/> OIL ST: <input type="checkbox"/> FED <input type="checkbox"/> LSI <input type="checkbox"/> NPLD <input type="checkbox"/> UST					
City, State Sellersville, Ar.		Site Spill ID					

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis				F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Designated Field QC
					VOA	BNA	Pest/PCB	High ARO/TOX						
CJP59	5	Low	Grab	6	✓	✓	✓		3-1140791 thru 3-1140794	5-2	12/5/91 1015	RL	MCJP64	
CJP60	5	Low	Grab	6	✓	✓	✓		3-1140796 thru 3-1140799	5-3	12/5/91 1330	CM	MCJP65	
CJP61	5	Low	Grab	6	✓	✓	✓		3-1156336 thru 3-1156339	5-4	12/5/91 1225	GD	MCJP66	
CJP62	5	Low	Grab	6	✓	✓	✓		3-1156331 thru 3-1156336	SS-1	12/5/91 0935	RL	MCJP67	DO MS/MSD
CJP63	5	Low	Grab	6	✓	✓	✓		3-1156338 thru 3-1156341	SS-2	12/5/91 0930	GD	MCJP68	
CJP64	5	Low	Grab	6	✓	✓	✓		3-1156343 thru 3-1156346	SS-3	12/5/91 0940	CM	MCJP69	

Shipment for Case complete? (Y/N)	Page 3 of 3	Sample used for a spike and/or duplicate CJP62	Additional Sampler Signatures <i>[Signatures]</i>	Chain of Custody Seal Number
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CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) Paul M. Davis	Date / Time 12/5/91 1630	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:

Blue - Region Copy Pink - SMO Copy White - Lab Copy Yellow - Lab Copy for Return to SMO

Split Samples ☐ Accepted (Signature)

☒ Declined

Paul M. Davis

0019601

ORIGINAL
(Red)



United States Environmental Protection Agency
Contract Laboratory Program Sample Manager
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Office

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No.
(if applicable)

Case No.

17514

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier	6. Preservative (Enter in Column D)	7. Sample Description (Enter in Column A)
		3	HNVS Corp.	12/5/91	Federal Express		
Regional Information		Sampler (Name)		Airbill Number			
		Paul M. Davis		3742091312			
Non-Superfund Program		Sampler Signature		5. Ship To			
		Paul M. Davis		Compuchem Labs 3308 Chapel Hill/Nelson Hwy PO Box 12652 Research Triangle Park, N.C. Attn: Natalie Carter 27709			
Site Name		3. Type of Activity					
Inactive Landfill		Remedial Removal					
City, State		SF PRP ST FED					
Sellersville, Pa.		Lead Pre-Remedial PA SSI LSI					
Site Spill ID		RIFS RD RA O&M NPLD					
		CLEM REMA REM OIL UST					

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E RAS Analysis				F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Designated Field QC
					VOA	BNA	Pest/PCB	High ARO/TOX						
CJP65	3	Low	Grab	1,6	✓	✓	✓	✓	3-1156348 YHM 3-1156350	Trp Blk	12/5/91 1350	LC	—	Aqueous blank for solid samples
CJP66	3	Low	Grab	1,6	✓	✓	✓	✓	3-1140961 YHM 3-1140965	AQ Blk	12/5/91 1330	LC	MCJP70	Aqueous blank
CJP38	5	Low	Grab	6	✓	✓	✓	✓	3-1134129 YHM 3-1134132	Sd-1	12/5/91 1305	CM	MCJP30	
CJP52	5	Low	Grab	6	✓	✓	✓	✓	3-1134134 YHM 3-1134137	Sd-2	12/5/91 1225	GD	MCJP51	
CJP63	5	Low	Grab	6	✓	✓	✓	✓	3-1134139 YHM 3-1134142	Sd-3	12/5/91 1135	GD	MCJP52	
CJP54	5	Low	Grab	6	✓	✓	✓	✓	3-1134144 YHM 3-1134147	Sd-4	12/5/91 1045	CM	MCJP53	
CJP55	5	Low	Grab	6	✓	✓	✓	✓	3-1140966 YHM 3-1140969	Sd-5	12/5/91 1315	RC	MCJP38	
CJP56	5	Low	Grab	6	✓	✓	✓	✓	3-1140776 YHM 3-1140779	Sd-6	12/5/91 1225	DW	MCJP61	
CJP57	5	Low	Grab	6	✓	✓	✓	✓	3-1140781 YHM 3-1140784	Sd-7	12/5/91 1230	CM	MCJP62	
CJP58	5	Low	Grab	6	✓	✓	✓	✓	3-1140786 YHM 3-1140789	S-1	12/5/91 1300	GD	MCJP63	
Shipment for Case complete? (Y/N)		Page 2 of 3		Sample used for a spike and/or duplicate		Additional Sampler Signatures		Chain of Custody Seal Number						
						Paul M. Davis Natalie Carter								

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Paul M. Davis	12/5/91 1630				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:

Blue - Region Copy Pink - SMO Copy White - Lab Copy Yellow - Lab Copy for Return to SMO

Split Samples ☐ Accepted (Signature)

☒ Declined

Paul M. Davis

0019602

ORIGINAL
(Red)

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Extractable Analysis (Low Level)	1 Gallon	1 X 4-Liter Amber Glass Bottle OR 2 X 80-oz. Amber Glass Bottle OR 4 X 1-Liter Amber Glass Bottles
Extractable Analysis (Medium Level*)	1 Gallon	32-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	80 ml.	2 X 40-ml. Glass Vials



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

Soil/Sediment Samples	Required Volume	Container Type
Extractable Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR 2 X 4-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	240 ml.	2 X 120 ml. Wide-Mouth Glass Vials†

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Extractable and Volatile Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar

1. Organic Sample Collection Requirements

- Please indicate sample to spike and/or duplicate.
- Ship medium and high concentration samples in paint cans.
- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
- Additional sample volume not required for method OLC01.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number
Date shipped
Number of samples by concentration and matrix
Carrier and airbill number
Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program
Sample Management Office
P.O. Box 818
Alexandria, VA 22313
Phone: (703) 557-2490
(703) 684-5678
FAX: (703) 683-0378



United States Environmental Protection Agency
Contract Laboratory Program Sample Manager
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Office

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No.
(if applicable)

Case No.

3263-0508-06

17514

1. Project Code		Account Code		2. Region No. 3		Sampling Co. HNVS corp.		4. Date Shipped 12/5/91		Carrier Federal Express		6. Preservative (Enter in Column D)		7. Sample Description (Enter in Column A)	
Regional Information				Sampler (Name) Paul M. Davis				Airbill Number 3742091312				1. HCl 2. HNO3 3. NaHSO4 4. H2SO4 5. Other (SAS) (Specify) 6. Ice only N. Not preserved 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (SAS) 7. Waste (SAS) 8. Other (SAS) (Specify)			
Non-Superfund Program				Sampler Signature Paul M. Davis				5. Ship To Compuchem Labs 3308 Chapel Hill/Nelson Hwy P.O. Box 12652 Research Triangle Park, N.C. Attn: Natalie Carter 27709							
Site Name Inactive Landfill				3. Type of Activity											
City, State Sellersville, Pa				Site Spill ID				Remedial Removal Lead Pre-Remedial RIFS CLEM SF PA BA REMA PRP PA BA REM ST SSI O&M OIL FED LSI NPLD UST							

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis				F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Designated Field QC
					VOA	BNA	Pest/PCB	High ARO/TOX						
CSP 21	2	Low	Grab	1,6	✓	✓	✓		3-1160973 thru 3-1160982	PW-1	12/5/91 1055	L.C.	MCJP 20	DO MS/MSD
CSP 22	2	Low	Grab	1,6	✓	✓	✓		3-1160987 thru 3-1160991	HW-1	12/5/91 1045	R.C.	MCJP 21	
CSP 23	2	Low	Grab	1,6	✓	✓	✓		3-1160994 thru 3-1160998	HW-2	12/5/91 1133	R.C.	MCJP 22	
CSP 24	1	Low	Grab	1,6	✓	✓	✓		3-1157823 thru 3-1157827	SW-1	12/5/91 1300	CH	MCJP 23	
CSP 25	1	Low	Grab	1,6	✓	✓	✓		3-1157830 thru 3-1157834	SW-2	12/5/91 1215	C.M.	MCJP 24	
CSP 26	1	Low	Grab	1,6	✓	✓	✓		3-1157837 thru 3-1157841	SW-3	12/5/91 1130	C.M.	MCJP 25	
CSP 27	1	Low	Grab	1,6	✓	✓	✓		3-1157844 thru 3-1157848	SW-4	12/5/91 1045	C.M.	MCJP 26	
CSP 28	1	Low	Grab	1,6	✓	✓	✓		3-1134108 thru 3-1134112	SW-5	12/5/91 1255	RC	MCJP 27	
CSP 29	1	Low	Grab	1,6	✓	✓	✓		3-1134115 thru 3-1134119	SW-6	12/5/91 1220	DW	MCJP 28	
CSP 30	1	Low	Grab	1,6	✓	✓	✓		3-1134122 thru 3-1134126	SW-7	12/5/91 1215	C.M.	MCJP 29	

Shipment for Case complete? (Y/N) _____ Page 1 of **3** Sample used for a spike and/or duplicate **CSP 21** Additional Sampler Signatures **Donald Whelan** **Paul M. Davis** Chain of Custody Seal Number _____

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) Paul M. Davis	Date / Time 12/5/91 1630	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	Is custody seal intact? Y/N/none

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:

Blue - Region Copy Pink - SMO Copy White - Lab Copy Yellow - Lab Copy for Return to SMO

Split Samples ☐ Accepted (Signature)

☒ Declined

Paul M. Davis

0019603

ORIGINAL (Rev)

Org-1

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

Water Samples	Required Volume	Container Type
Extractable Analysis (Low Level)	1 Gallon	1 X 4-Liter Amber Glass Bottle OR 2 X 80-oz. Amber Glass Bottle OR 4 X 1-Liter Amber Glass Bottles
Extractable Analysis (Medium Level*)	1 Gallon	32-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	80 ml.	2 X 40-ml. Glass Vials



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

Soil/Sediment Samples	Required Volume	Container Type
Extractable Analysis (Low or Medium Level*)	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar OR 2 X 4-oz. Wide-Mouth Glass Jars
Volatile Analysis (Low or Medium Level*)	240 ml.	2 X 120 ml. Wide-Mouth Glass Vials†

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

Liquid or Solid Samples	Required Volume	Container Type
Extractable and Volatile Analysis	6 oz.	1 X 8-oz. Wide-Mouth Glass Jar

1. Organic Sample Collection Requirements

- Please indicate sample to spike and/or duplicate.
- Ship medium and high concentration samples in paint cans.
- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
- Additional sample volume not required for method OLC01.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form - Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

- PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number
Date shipped
Number of samples by concentration and matrix
Carrier and airbill number
Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program
Sample Management Office
P.O. Box 818
Alexandria, VA 22313
Phone: (703) 557-2490
(703) 684-5678
FAX: (703) 683-0378

FIELD LOG FORM

Analysis and Phase

Laboratory

Chain-Of-Custody

Airbill Number

Case Number: 17514

Site Name: Inactive Landfill

TDD Number: 3263-05

Date: 12-05-91

Sample Identifier	Phase	Time	Sampler	Organic Traffic Report	Organic Tag Number	Inorganic Traffic Report	Inorganic Tag Number	pH	Conductivity $\mu S/cm$
Matrix PW-1	Aqueous	1055	L.C.	CJP-21	3-1160973 thru 3-1160982	MLJP-20	3-1160983 thru 3-1160986	7.45	0.685
HW-1	Aqueous	1045	R.C.	CJP-22	3-1160987 thru 3-1160991	MLJP 21	3-1160992 thru 3-1160993	7.24	0.451
HW-2	Aqueous	1133	R.C.	CJP 23	3-1160994 thru 3-1160998	MLJP 22	3-1160994 thru 3-1161000	7.01	0.544
SW-1	Aqueous	1300	CM	CJP 24	3-1157823 thru 3-1157827	MLJP 23	3-1157828 thru 3-1157829	7.00	0.153
SW-2	Aqueous	1215	CM	CJP 25	3-1157830 thru 3-1157834	MLJP 24	3-1157835 thru 3-1157836	6.98	0.176
SW-3	Aqueous	1130	CM	CJP 26	3-1157837 thru 3-1157841	MLJP 25	3-1157842 thru 3-1157843	7.12	0.367
SW-4	Aqueous	1045	C.M.	CJP 27	3-1157844 thru 3-1157848	MLJP 26	3-1157849 thru 3-1157850	7.14	0.307
SW-5	Aqueous	1255	R.C.	CJP 28	3-1134108 thru 3-1134112	MLJP 27	3-1134113 thru 3-1134114	7.15	0.152
SW-6	Aqueous	1220	DW	CJP 29	3-1134115 thru 3-1134119	MLJP 28	3-1134120 thru 3-1134121	7.12	0.168 0.312 ^{12/5/91}
(Dup. SW-2) SW-7	Aqueous	1215	CM	CJP 30	3-1134122 thru 3-1134126	MLJP 29	3-1134127 thru 3-1134128	6.98	0.176

* Add TSPBK + AqBK

Project Leader Signature: _____

Date: _____

Verified by: _____

Date: _____

Supplement to Log Book No.: _____

Log Sheet _____ of _____

FIELD LOG FORM

Analysis and Phase

Laboratory

Chain-Of-Custody

Airbill Number

Case Number: 17514

Site Name: Inactive Landfill

TDD Number: 3263-05

Date: 12-5-91

Sample Identifier	Phase	Time	Sampler	Organic Traffic Report	Organic Tag Number	Inorganic Traffic Report	Inorganic Tag Number	pH	Conductivity
Sd-1	solid	1305	CM	CJP 38	3-1134129 thru 3-1134132	MLJP 30	3-1134133	—	—
Sd-2	solid	1225	GD	CJP 52	3-1134134 thru 3-1134137	MLJP 51	3-1134138	—	—
Sd-3	solid	1135	GD	CJP 53	3-1134139 thru 3-1134142	MLJP 52	3-1134143	—	—
Sd-4	solid	1045	CM	CJP 54	3-1134144 thru 3-1134147	MLJP 53	3-1134148	—	—
Sd-5	solid	1315	R.C.	CJP 55	3-1140466 thru 3-1140469	MLJP 38	3-1140775	—	—
Sd-6	solid	1225	DW	CJP 56	3-1140776 thru 3-1140779	MLJP 61	3-1140780	—	—
Sd-7	solid	1230	CM	CJP 57	3-1140781 thru 3-1140784	MLJP 62	3-1140785	—	—
S-1	solid	1300	GD	CJP 58	3-1140786 thru 3-1140789	MLJP 63	3-1140790	—	—
S-2	solid	1015	RC	CJP 59	3-1140791 thru 3-1140794	MLJP 64	3-1140795	—	—
S-3	solid	1330	CM	CJP 60	3-1140796 thru 3-1140799	MLJP 65	3-1140800	—	—

Project Leader Signature: _____

Date: _____

Verified by: _____

Date: _____

Supplement to Log Book No.: _____

Log Sheet _____ of _____

Revision date: 12/18/90

ORIGINAL
(Red)

FIELD LOG FORM

Analysis and Phase

Laboratory

Chain-Of-Custody

Airbill Number

Case Number: 17514

Site Name: Inactive Landfill

TDD Number: 3263 - 05

Date: 12-5-91

Sample Identifier	Phase	Time	Sampler	Organic Traffic Report	Organic Tag Number	Inorganic Traffic Report	Inorganic Tag Number	pH	Conductivity
(Dup. 3-2) S-4	Solid	1225	GD	CJP 61	3-1156326 thru 3-1156329	MCJP 66	3-1156330	—	—
(matrix) SS-1	Solid	0935	RL	CJP 62	3-1156331 thru 3-1156336	MCJP 67	3-1156337	—	—
SS-2	Solid	0930	GD	CJP 63	3-1156338 thru 3-1156341	MCJP 68	3-1156342	—	—
SS-3	Solid	0940	LM	CJP 64	3-1156343 thru 3-1156346	MCJP 69	3-1156347	—	—
TRIP - Blank	Aqueous	1350	LC	CJP 65	3-1156348 thru 3-1156350	—	—	—	—
Aqueous Blank	Aqueous	1330	LC	CJP 66	3-1140961 thru 3-1140965	MCJP 70	3-1134149 thru 3-1134150	5.80	0.010

Project Leader Signature: _____

Date: _____

Verified by: _____

Date: _____

Supplement to Log Book No.: _____

Log Sheet _____ of _____

Revision date: 12/18/90

ORIGINAL
(Red)

Project No.: 3263-0501-11

Site Name: Inactive Landfill

SITE SAFETY FOLLOW-UP REPORT

RECEIVED
12/12/91

Purpose of Field Work: TO perform an S.S.I

Actual Date of Work: 12-05-91

Actual Site Investigation Team:

HNUS Personnel:

Paul Davis
Linda Ciurletta
Greg DeCowsky
Rich Costello
Charles Meyer
Donald Whalen

Responsibilities:

Site leader
SSO / sampler
sampler
sampler
sampler
sampler

Other:

Purpose:

Team Leader:

Prepared by:

Reviewed by:

Approved by:

Paul Davis
Paul Davis
Narissa Lynn Case
[Signature]

Date

12-12-91
12-12-91
1/17/92
1/17/92

Project No.: 3263-05Site Name: Inactive Landfill

PERSONAL PROTECTION EQUIPMENT

List Each Activity as Specified in Approved Safety Plan	Respiratory Protection		Field Dress		Explanation of Deviations (if any)
	Level of Protection Specified in Safety Plan	Level of Protection Used During Field Activities	Clothing/Gloves/Boots Specified in Safety Plan	Clothing/Gloves/Boots Used During Field Activities	
Surface water and sediment sampling	D	D	Cotton / latex & butyl / work	Cotton / latex & butyl / work	—
Soil Sampling (surface)	D	D	Cotton / latex & butyl / work & slush.	Cotton / latex & butyl / work & slush	—
Homewells & Production well.	D	D	Cotton / latex / work	Cotton / latex / work	—
Soil Sampling (subsurface)	D	D	Cotton / latex & butyl / work & slush	Cotton / latex & butyl / work & slush	—

IF LEVELS B OR C ARE USED FOR RESPIRATORY PROTECTION, PLEASE INCLUDE ULTRA-TWIN OR SCBA USAGE LOGS.

Project No.: 3263 -05Site Name: Inactive Landfill

a.

Monitoring Equipment	Background Reading	Readings Above Background and Location(s)	Reading(s) in Breathing Zone	Action Taken
HNU Probe: _____				
OVM Probe: _____				
OVA	2 ppm	1000 ppm 4-feet down in SS-1 auger hole	2.0 ppm	Avoided getting close to hole. Stayed well above hole opening in clear breathing zone.
Monotox HCN: _____ H ₂ S: _____				

b. Other Monitoring Equipment

- Enmet Toxic/Combustible Gas and Oxygen Meter

Describe purpose, reading(s), and action(s) taken: N/A

- Special Monitoring Instruments (Dreager Tubes, Air-Sampling Pumps, etc.)

Describe type used, reading(s), and action(s) taken: N/A

Project No.: 3263-05

Site Name: Inactive landfill

ORIGINAL
2/20/07

c. Radiation

- Readings above background? Yes _____ No ✓

If yes, specify where readings were found and what action was taken. N/A

d. Heat Stress/Cold Stress

- Ambient Temperature: Day 1 35°F Day 2 - Day 3 -

- Was heat stress monitoring performed: Yes _____ No ✓

- *If yes, please attach heat stress monitoring sheet.*

- Was cold stress monitoring performed: Yes _____ No ✓

- Was a monitoring/break schedule followed: Yes _____ No ✓

If no, explain: It wasn't necessary

Project No.: 3263-05

Site Name: inactive landfill

GENERAL SAFETY

- a. Were any safety problems encountered while on site?

Explain: NO.

- b. Confined Space Entry (a tank, vessel, silo, storage bin, hopper, vault, pit, diked area, abandoned building, manhole, or any other enclosed space with limited means of exit or entry that is not designed for continuous occupancy)

Did any team member enter a confined space area? _____ Yes ☒ No

If yes, please explain.

N/A

ACCIDENT REPORT INFORMATION

- a. Did any team member report:

	Yes	No
• Chemical Exposure	_____	<input checked="" type="checkbox"/>
• Illness, discomfort, or unusual symptoms	_____	<input checked="" type="checkbox"/>
• Environmental Problems (heat, cold, etc.)	_____	<input checked="" type="checkbox"/>

- b. Explain:

N/A

- c. Was an employee exposed/injured?

_____ Yes ☒ No

Incident Report completed?

_____ Yes ☒ No

Project No.: 3263-05

Site Name: Inactive Landfill

3/1/2015
08:00

SAFETY PLAN EVALUATION

- a. Were there any deviations from the Safety Plan? ☐ Yes ☒ No
If yes, please explain.

- b. Was the safety plan adequate? ☒ Yes ☐ No

- c. What changes would you recommend?

JOTTLE LOT FORM

Case Number: 17514Site Name: Inactive LTDD Number: 3263-05Date: 12-5-91

Sample Identifier	Phase	1/2 Gallon Amber	40-ml VOA	1 Liter Poly NaOH	1 Liter Poly HNO ₃	1 Liter Poly (unspiked)	1 Liter Amber	8 oz. Glass Jar	Other
Matrix PW-1	Ag.	(4)1058022	B9201473 (6)	(2)9024193	(2)9024193				
HW-1	Ag.	(2)1058022	(3)B9201473	(1)9024193	(1)9024193				
HW-2	Ag.	(2)1058022	(3)B9201463	(1)9024193	(1)9024193				
SW-1	Ag.	(2)1057012	(3)B9201473	(1)9024193	(1)9024193				
SW-2	Ag.	(2)1057012	(3)B9201473	(1)9024193	(1)9024193				
SW-3	Ag.	(2)1058022	(3)B9201473	(1)1051022	(1)1051022				
SW-4	Ag.	(2)1058022	(3)B9201473	(1)1051022	(1)1051022				
SW-5	Ag.	(2)1057012	(3)B9201473	(1)1051022	(1)1051022				
SW-6	Ag.	(2)1046042	(3)B9201473	(1)1051022	(1)1051022				
(Dup. SW-2) SW-7	Ag.	(2)1046042	(3)B9004583	(1)1051022	(1)1051022				

Project Leader Signature: _____

Date: _____

Verified by: _____

Date: _____

Supplement to Log Book No.: _____

Log Sheet _____ of _____

ORIGINAL
(Red)

BOTTLE LOT FORM

Case Number: 17514
 Site Name: Inactive Landfill
 TDD Number: 3263-05
 Date: 12-05-91

Sample Identifier	Phase	1/2 Gallon Amber	40-ml VOA	1 Liter Poly NaOH	1 Liter Poly HNO ₃	1 Liter Poly (unspiked)	1 Liter Amber	8 oz. Glass Jar	Other
Aqueous Blank	Ag.	(2) 1046042	(3) B9004583	(1) 1051022	(1) 1051022				
S-1	Solid Ag.		(2) B9004583					(3) 1057022	
S-2	Solid Ag.		(2) B9004583					(3) 1057022	
S-3	Solid Ag.		(2) B9004583					(3) 1057022	
S-4 ^(dup)	Solid Ag.		(2) B9201473					(3) 1057022	
SS-1 ^(mv)	Solid		(4) B9004583					(3) 1057022	
SS-2	Solid		(2) B9004303					(3) 1057022	
SS-3	Solid		(2) B9201463					(3) 1057022	
SD-1	Solid		(2) B9004303					(3) 1057022	
SD-2	Solid		(2) B9004303					(3) 1057022	

Project Leader Signature: _____
 Supplement to Log Book No.: _____

Date: _____ Verified by: _____
 Log Sheet _____ of _____

Date: _____
 ORIGINAL
 (Red)

BOTTLE LOT FORM

Case Number: 17514
 Site Name: Inactive Landfill
 TDD Number: 3263-05
 Date: 12-05-91

Sample Identifier	Phase	1/2 Gallon Amber	40-ml VOA	1 Liter Poly NaOH	1 Liter Poly HNO ₃	1 Liter Poly (unspiked)	1 Liter Amber	8 oz. Glass Jar	Other
SD-3	solid		(2) B9004303					(3) 1057022	
SD-4	solid		(2) B9004303					(3) 1057022	
SD-5	solid		(2) B9004583					(3) 1057022	
SD-6	solid		(2) B9004583					(3) 1057022	
SD-7	solid		(2) B0227073					(3) 1052032	
Trip Blank	aq.		(3) B9004303						

Project Leader Signature: _____

Date: _____

Verified by: _____

Date: _____

Supplement to Log Book No.: _____

Log Sheet _____ of _____

Project No.: 3263-0503

Site Name: Inactive Landfill

Background Information

Site Status: Active ✓ Inactive Unknown

Site Description (be specific; include topography, structures, etc.):

The eleven acre site consists mainly of wooded areas with several small streams flowing through it. A brick garage, the foundation of an old building, building demolition debris, and a gravel parking area are located at the northern edge of the site. Motorbike paths are located in a section of the wooded area. Rusted, decaying drums and an area devoid of vegetation are located in the area of the alleged landfill.

Site History:

The subject site was allegedly used for waste disposal in the 1940's. The property was leased by a local waste hauler during this time to store trucks. The hauler reportedly disposed wastes at the site. These wastes may have included aircraft dials + gauges with radium based paint from Ametek-US Gauge of Sellersville. At some time prior to 1968, RSO conducted an environmental assessment of the property and removed a plastic bag containing a jar of radium paint, a broken jar and several cubic feet of contaminated soil. Also, an automotive service station was conducted out of the brick building. Allegedly, automobile and antifreeze were disposed on the site.

Monitoring Used on Previous Site Work or Previous Sampling Data:

Radiation Contamination has been noted at the site (see site history). Surface water and groundwater samples taken by Sellersville Borough at or near the site revealed TCE up to 30 ug/l and 1,1,1-TCEA up to 54 ug/l.

Project No.: 3263-0503 ORIGINAL
Red
Site Name: Inactive Landfill

Hazard Evaluation

- Waste Types: ☒ Liquid ☒ Solid ☐ Sludge ☐ Vapor
- Characteristics: ☐ Corrosive ☐ Ignitable ☒ Radioactive
☒ Volatile ☐ Toxic ☐ Reactive
☐ Unknown ☐ Other: _____

Task: Surface water and Sediment Samples Low ☒ Medium ☐ High ☐

• Identification of Hazards/Hazard Assessment:

Hazards are expected to be low. Precautions will be taken to avoid any hazards including safety glasses in wooded areas, splash goggles, and dermal protection.

Task: Soil samples (Surface) Low ☒ Medium ☐ High ☐

• Identification of Hazards/Hazard Assessment:

Precautions will be taken to avoid hazards. Radium based paint was dumped in the old landfill, but most^(if not all) has already been removed.

Task: Homewells & The Production well Low ☒ Medium ☐ High ☐
Air Stripper

• Identification of Hazards/Hazard Assessment:

A low hazard is assigned since the homewells are used for drinking & contact will be avoided. The air stripper for the PW No. 5 used to strip volatile organics from groundwater. A low hazard rating is given.

Task: Soil Samples (Subsurface) Low ☒ Medium ☐ High ☐

• Identification of Hazards/Hazard Assessment:

Precautions will be taken to avoid hazards. Radium based paint was dumped in the old landfill. Most, if not all, has already been removed. Buried drums could pose both a physical and environmental hazard if punctured during augering.

Overall Hazard: ☐ Serious ☐ Moderate
☒ Low ☐ Unknown

Project No.: 3263-05Site Name: Inactive landfill

Hazardous/Toxic Known or Suspected Materials	Concentration	Media	Toxic and Pharmacological Effects	IP	PEL, TLV, IDLH	Reactivity, Stability, Flammability	Special Monitoring Instrument
1,1,1-Trichloroethane 71-55-6	54. mg/l	Aqueous	mild chloroform like odor is narcotic. Depresses the central nervous system. Liquid & vapor irritates eyes. Repeated contact may produce dry, scaly and fissured skin. Causes dizziness, uncoordination	11.25	PEL 350ppm TLV 350ppm IDLH 1000ppm	Incompatible with strong bases, strong oxidizers, chem. active metals Al, mg, Na, K	Draeger
Trichloroethylene 79-01-6	30. mg/l	Aqueous	Known animal carcinogen when inhaled can cause blurred vision, vertigo, sleepiness, ingestion can cause tremors, sleepiness, and headaches. Contact can cause eye, nose, throat, and skin irritation.	9.47	PEL = 50 ppm TLV = 50 ppm IDLH = Carc.	Incompatible with strong bases chemically active metals = Ba, Li, Na, mg, T	Draeger HNU 10.2, 11.7
Radium	-		A highly radiotoxic element inhalation, ingestion, or bodily exposure can cause lung cancer. Skin damage and blood dyscrasia. A common air contaminant. Exposure for long periods of time may be lethal.			Highly dangerous must be kept heavily shielded and stored away from possible dissemination by explosion, flood, fire, etc.	Radiation mini alert monitor

ORIGINAL
(Red)

Task: Surface water & Sediment Sampling

Required Level(s) of Protection:

Task	Name	Respiratory	Clothing	Gloves	Boots	Other; Modifications
			Cotton = C Saranex = X Tyvek = T Poly = P	Butyl = B Cotton = C Latex = L Viton = V Neoprene = N	Fireman's = F Latex = L Work = W Slush = S Insulated = I	
PM	Paul Davis	D	C	none	W	
SSO	Linda Ciurletta	D	C	none	W	
SMO						
Surveillance						
(PA, Site Recon, Etc.)						
If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area.						
Samplers						
	Greg Decowsky	D	C	L/B	W/S	splash goggles
	Rich Costello	D	C	L/B	W/S	splash goggles
	Charles Meyer	D	C	L/B	W/S	splash goggles
Other						
Decontamination	Everyone	D	C	L/B	W/S	splash goggles

ORIGINAL
(copy)

Project No.: 3263 - 0503 ⁰¹⁵⁰⁹
Site Name: Inactive Landfill ^{ORIGINAL}

SITE SAFETY PLAN

Site Name: Inactive Landfill Site Contact: Charles Andrichyn
Address: Old Route 309 and 12th St. Phone Number: (215) 362-2715
Sellersville, Pa. 18960 Other Contacts: Cassia Craig 215-825-8400
EPA: Lynnette Elser 597-8333
State: Fred Walter 832-6212

Purpose of Site Visit: Perform an S.S.I on the Subject Site.
Proposed Date of Work: December 05, 1991

Proposed Site Investigation Team

NUS Personnel:

Paul Davis
Linda Ciarella
Greg DeGowsky
Rich Costello
Charles Meyer

Responsibilities:

Site Leader
SSO / Sampler
Sampler
Sampler
Sampler

Other:

Purpose:

Plan Preparation

- Prepared by:

Reviewed by:

Paul Davis 11/14/91
Marcia Lynn Case 11/18/91

Approvals

- ARCS III Health and Safety Manager:

John D. Mike 11/22/91
[Signature] 11/27/91

- Project Manager:

Project No.: 3263-05Site Name: Inactive LandfillTask: Soil Sampling (surface)

Required Level(s) of Protection:

Task	Name	Respiratory	Clothing Cotton = C Saranex = X Tyvek = T Poly = P	Gloves Butyl = B Cotton = C Latex = L Viton = V Neoprene = N	Boots Fireman's = F Latex = L Work = W Slush = S Insulated = I	Other; Modifications
PM	Paul Davis	D	C	None	W	
SSO	Linda Ciarella	D	C	None	W	
SMO						
Surveillance						
(PA, Site Recon, Etc.)						
If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area.						
Samplers	Greg Decowsky	D	C	L/B	W/S	
	Rich Costello	D	C	L/B	W/S	
	Charles Meyer	D	C	L/B	W/S	
Other						
Decontamination	Everyone	D	C	L/B	W/S	splash goggles

Task: Homewells & Production well - Air Stripper

Required Level(s) of Protection:

Task	Name	Respiratory	Clothing	Gloves	Boots	Other; Modifications
			Cotton = C Saranex = X Tyvek = T Poly = P	Butyl = B Cotton = C Latex = L Viton = V Neoprene = N	Fireman's = F Latex = L Work = W Slush = S Insulated = I	
PM	<u>Paul Davis</u>	<u>D</u>	<u>C</u>	<u>None</u>	<u>W</u>	
SSO	<u>Linda Charletta</u>	<u>D</u>	<u>C</u>	<u>None</u>	<u>W</u>	
SMO						
Surveillance						
(PA, Site Recon, Etc.)						
If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area.						
Samplers	<u>Greg Decowsky</u>	<u>D</u>	<u>C</u>	<u>L</u>	<u>W</u>	
	<u>Rich Costello</u>	<u>D</u>	<u>C</u>	<u>L</u>	<u>W</u>	
	<u>Charles Meyer</u>	<u>D</u>	<u>C</u>	<u>L</u>	<u>W</u>	
Other						
Decontamination	<u>Everyone</u>	<u>D</u>	<u>C</u>	<u>L</u>	<u>W</u>	<u>Splash goggles</u>

Task: Soil Samples (subsurface)

Required Level(s) of Protection:

Task	Name	Respiratory	Clothing Cotton = C Saranex = X Tyvek = T Poly = P	Gloves Butyl = B Cotton = C Latex = L Viton = V Neoprene = N	Boots Fireman's = F Latex = L Work = W Slush = S Insulated = I	Other; Modifications
PM	Paul Davis	D	C	None	W	
SSO	Linda Ciarella	D	C	none	W	
SMO						
Surveillance						
(PA, Site Recon, Etc.)						
If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area.						
Samplers	Greg Decowski	D	C	L/B	w/s	
	Rich Castello	D	C	L/B	w/s	
	Charles Meyer	D	C	L/B	w/s	
Other						
Decontamination	Everyone	D	C	L/B	w/s	Splash goggles

Project No.: 3263-05

ORIGINAL
Page

Site Name: Inactive Landfill

Decontamination and Disposal

Personnel Decontamination: Check level to be utilized.

- ____ Level A - Segregated equipment drop, boot cover and glove wash, boot cover and glove rinse, tape removal, boot cover removal, outer glove removal, suit and hard hat removal, SCBA backpack removal, inner glove wash, inner glove removal, inner clothing removal, field wash redress.
- ____ Level B - Segregated equipment drop, boot cover and glove wash, boot cover and glove rinse, tape removal, boot cover removal, outer glove removal, SCBA backpack removal, suit and hard hat removal, inner glove removal, field wash.
- ____ Level C - Segregated equipment drop, boot cover and glove wash, boot cover and glove rinse, tape removal, boot cover removal, outer glove removal, suit/safety boot wash, suit/safety boot rinse (canister or mask change), safety boot removal, splash suit removal, inner glove removal, field wash.
- ✓ ____ Level D - Segregated equipment drop, boot and glove wash, boot and glove rinse, field wash.

____ No personnel decontamination is necessary.

____ Modifications (specify):

Equipment Decontamination:

Equipment used for sampling will have a gross wash,
alconox wash, water rinse, methanol rinse and (2) distilled water
rinses

Disposal Procedure for Investigation-Derived Materials:

wastes generated on site will be bagged and properly
disposed.

Ionizing Radiation: Normal background 0.01 to 0.02 mR/hr

- If less than 2 mR/hr, continue investigation with caution
- If greater than 2 mR/hr, evacuate site
- * Note: Background 10 to 20 CPM on mini-alert

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02-5
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SITE OPERATING PROCEDURES/SAFETY GUIDELINES

1. Always observe the buddy system. Never enter or exit a site alone, and never work alone in an isolated area. Never wander off by yourself.
2. Always maintain line-of-sight.
3. Practice contamination avoidance. Never sit down or kneel, never lay equipment on the ground, avoid obvious sources of contamination such as puddles, and avoid unnecessary contact with on-site objects.
4. No eating, drinking, or smoking outside the designated "clean" zone.
5. In the event PPE is ripped or torn, work shall stop and PPE shall be removed and replaced as soon as possible.
6. Be alert to any unusual changes in your own condition; never ignore warning signs. Notify Health and Safety Coordinator as to suspected exposures or accidents.
7. A vehicle will be readily available exclusively for emergency use. All ARCS personnel going on site shall be familiar with the most direct route to the nearest hospital.
8. In the event of direct skin contact, the affected area shall be washed immediately with soap and water.
9. Copies of the health and safety plan shall be readily accessible at the command post.
10. Note wind direction. Personnel shall remain upwind whenever possible during on-site activities.
11. Never climb over or under refuse or obstacles. Use safety harness/safety lines when sampling lagoons, streambeds, and ravines with steep banks.
12. Hands and face must be thoroughly washed before eating, drinking, etc.
13. Any modifications to this safety plan must be approved by the HSM or designee.

Special Procedures:

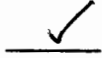
Employees will ^{use} extreme caution while augering in the fill area. If any resistance is met, that auger location will be abandoned and a new location will be chosen. The concern is the potential to puncture a buried drum.

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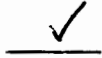
SITE PROCEDURES (continued)

Safety Glasses



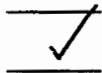
Safety glasses will be worn in heavily wooded areas where the potential of an eye injury may exist.

LifeAir₁₀ Escape Packs



Survivair L-505 escape packs will be carried or located within proximity to ARCS members whenever an SCBA is not readily available on site.

Heat and Cold Stress Monitoring

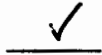


Team members will follow heat stress monitoring procedures.



Team members will follow cold stress monitoring procedures.

Confined-Space Entry

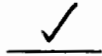


No attempt will be made to enter abandoned buildings, manholes, tanks, or any other confined areas.



Other:

Medical Surveillance

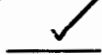


No site-specific medical surveillance is required for this task.



Medical surveillance will be as follows:

Personnel Monitoring



Personnel monitoring will include only the use of the TLD badge. No further personnel monitoring is required.



Personnel monitoring will consist of:

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Topic	Paul Davis	Linda Garlotto	Greg Delawsky	Rich Costello	Charles Meyer							
	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date
40-Hour Introductory	11/90	10/89	3/90	10/89	3/84							
8-Hour Refresher		3/91	3/91	3/91	12/90							
8-Hour Supervisor	3/91	9/89	3/91	9/89	6/89							
SCBA Review	10/91	10/91	6/91	6/91	10/91							
Fit Test (Ultra-Twin)	2/91	6/91	6/91	6/91	6/91							

Original
11/10/00

Project No.:

3263-05

DRYLAND
Plan

Site Name:

Inactive Landfill

EMERGENCY SITUATIONS

Air Releases or Fire/Explosion:

In the event of an unexpected air release or fire/explosion, on-site personnel will travel at a right angle to the upwind direction. The site safety officer (SSO) will then account for all personnel and notify the proper emergency agencies.

In the event the SSO is unavailable, the project manager will assume these responsibilities.

Emergency Site Control:

In the event of an emergency, the SSO will discourage any unauthorized personnel from entering the site. If necessary, the SSO will contact the proper authorities.

Personnel Injury:

If on-site personnel require emergency medical treatment, the following steps will be taken:

1. Evaluate the nature of the injury.
2. Decontaminate to the extent possible prior to administration of first aid or movement to emergency facilities.

First Aid Procedures:

- Skin Contact: Remove contaminated clothing. Wash immediately with water. Use soap if available.
- Inhalation: Remove from contaminated atmosphere. Apply artificial respiration, if necessary. Transport to hospital.
- Ingestion: Never induce vomiting on an unconscious person. Also, never induce vomiting when acids, alkalis, or petroleum products are suspected. Contact the poison control center.
- Equipment Failure: In the event that air monitoring equipment fails to operate, all personnel will exit the site **immediately** and notify the HSM or designee for further instructions.

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Communication Procedures:

Horn blast, siren, etc. is the emergency signal to indicate that all personnel should leave the exclusion zone.

The following standard hand signals will be used in case of failure of radio communications:

- Hand gripping throat Out of air, can't breathe
- Grip partner's wrist or both hands around waist Leave area immediately
- Hands on top of head Need assistance
- Thumbs up OK; I am all right; I understand
- Thumbs down No; negative

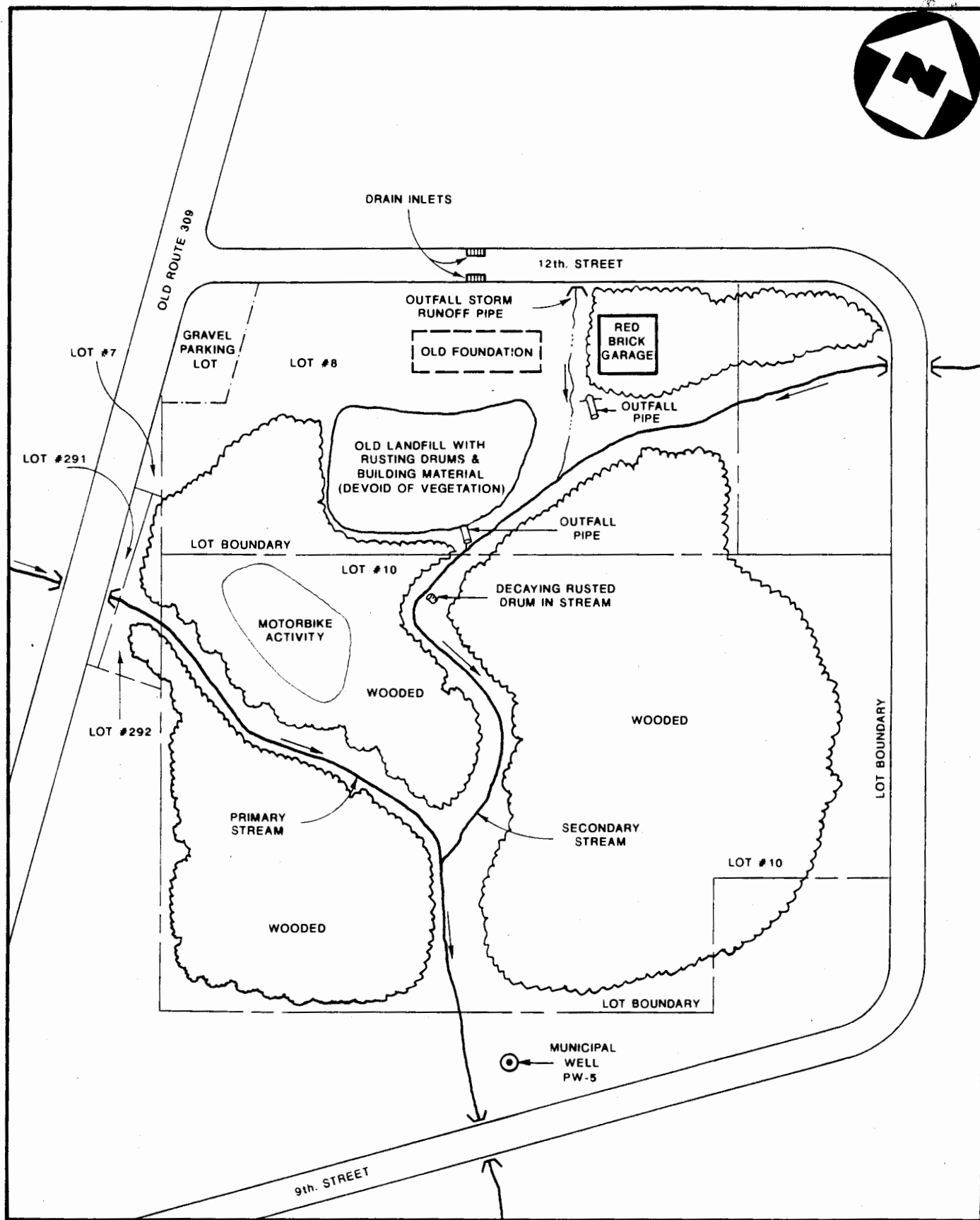
The following will be used on an "as-needed" basis (check proper response):

_____ Not Applicable

_____ Channel _____ has been designated as the radio frequency for personnel in the exclusion zone. All other on-site communications will use channel _____.

_____ Telephone communication to the command post should be established as soon as practicable. The phone number is: (_____) _____.

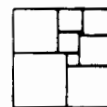
☒ Channels 1 and 2 have been designated as the radio frequency for personnel in the exclusion zone. Team members will make sure that all radios are on the same channel before leaving the command post.



SITE SKETCH

INACTIVE LANDFILL SITE, SELLERSVILLE, PA.

(NO SCALE)



NUS
CORPORATION



A Halliburton Company

Project No.: 3263-05 Original
ID#

Site Name: Inactive Landfill

Emergency Information:

● Local Resources:

- | | | |
|---|--------------------------------|----------------------------|
| - Ambulance (name): | <u>Perkasie Ambulance</u> | Phone: <u>215-345-1411</u> |
| - Hospital (name): | <u>Grandview Hospital</u> | Phone: <u>215-453-4000</u> |
| - Police (local or state): | <u>Sellersville Police</u> | Phone: <u>215-257-5104</u> |
| - Fire Department:
(name and volunteer?) | <u>Sellersville Fire Dept.</u> | Phone: <u>215-345-1411</u> |
| - Radio Channel: | <u>N/A</u> | Phone: _____ |
| - Nearest Phone: | <u>N/A</u> | Phone: _____ |

● Office Resources:

- | | |
|---|----------------|
| - ARCS III Office | (215) 971-0900 |
| - EPA RPO - Gregory Ham | (215) 597-8229 |
| - Office Manager - Leonard Johnson (home) | (215) 363-1723 |
| - Project Manager - Andrew Frebowitz (home) | (215) 362-4734 |
| - Safety - Marcia Case (home) | (215) 692-7729 |

● Emergency Contacts (medical and health):

- * NUS Consulting Physician - University of Pittsburgh

Office (412) 648-3240

Please follow procedures as outlined on the following page.

- * John Mikan (ARCS III Health and Safety Officer)

Office (412) 921-7090

- * Regional Health Maintenance Program

- Occupational Health Center (215) 431-2262

- * Poison Information Center (215) 922-5523

- * National Response Center (800) 424-8802
(FOR ENVIRONMENTAL EMERGENCY ONLY)

Directions to Hospital (attach map): From parking lot on site turn right onto
old Rte. 309 N. Follow Rte. 309 N approx. 1/2 mile and turn left
onto Rte. 563 W. Follow for 1 mile to new Rte. 309 and take
Rte 309 S to Perkasie exit (approx. 1/4-mile), Take a left.
Hospital is (3) blocks from exit on Right - 700 Calin Ave.

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EMERGENCY PHYSICIAN ACCESS PLAN

NUS CORPORATION SUPERFUND DIVISION

DECEMBER 1986

A. MONDAY THROUGH FRIDAY, 9:00 AM TO 5:00 PM

Dial the (412) 648-3240 number. When answered, state that:

1. You are calling from NUS Corporation.
2. This is an emergency call.

Program staff will be alerted how to contact the physician designated to provide emergency coverage on that day. Collect calls will be accepted.

B. EVENINGS, WEEKENDS, AND HOLIDAYS

Dial the (412) 648-3240 number. An operator from the answering service will answer the telephone. Do the following:

1. Tell the operator that you are calling from NUS Corporation
2. Tell the operator that this is an emergency call.
3. Give her your name.
4. Give her the telephone number where the physician is to call. Be certain that she has written the correct number (area code and seven digits).
5. If you do not receive a call back within 15 minutes, place a second call to (412) 648-3240.

Collect calls will be accepted.

C. SITUATIONS WHERE EMPLOYEE REQUIRES IMMEDIATE TRANSPORT TO A HOSPITAL

If the situation is life threatening (i.e., cardiac arrest or person not breathing), call the emergency medical services system and transport the person to the nearest hospital with advanced life support capabilities.

After obtaining assistance as stated above, call the (412) 648-3240 number and follow the procedures in A or B as appropriate.

